



FDM963ASD



SMP9635SD



SMP14445D, SMP14445SD



FDM1444SAD, FDM1444SBD

Specifications

- **Measuring Method** Dual Slope A/D Conversion (Voltmeter)
Interval Measurement Method using Microcontroller (Frequency Meter)
- **Display Type** Red LED Super Bright Display
- **Maximum Display** 9999 Counts (Voltmeter)
9999 Counts (Frequency Meter)
- **Maximum Overload** Voltage : 1.2 times continuous
Current : 2 times continuous
- **Dielectric Strength** 2.5 kV at 50Hz for 1 min. between Input - Auxiliary Case - Terminals
- **Frequency Response** 40 - 400Hz (Voltmeter)
- **Faceplate / Lens** Red Antiglare Faceplate with Annunciators
- **Case / Housing Material** DIN Black ABS, Dimension as per DIN 43700
- **VA Burden (Typical) Per Display** Auxiliary : < 5VA
Voltage Input : < 0.1VA
Current Input : < 0.5VA
- **Environment** Calibration : 27°C ± 5°C,
Operating : 0 to 50°C, RH < 70%
Storage : -10 to 60°C, RH < 70%
- **Mounting Clamps** Sturdy, Moulded ABS with Hardware
- **Connectors** Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals
- **Display Stability** Within ± 2 Digits

Model	Input 1 Input 2		Range	Auxiliary Power Supply (any one only)				Accuracy Class			Digits (max.)		Display Digit Height	
				110 / 230V AC	24 / 48 / 110 / 220V DC	SMPS-LV 19-90V AC/DC	SMPS-HV 85-265V AC/DC	0.2	0.5	1	3½	4½	0.56" / 14.2mm	1.0" / 25.4mm
SMP14445D SMP14445SD	DC	Zero Supp.	4-20mA or 1 - 5V	✓	✓	-	-	✓	✓	✓	-	✓	-	✓
	AC	V	0 - 20, 200, 750V	✓	✓	-	-	-	✓	✓	-	✓	-	✓
		I	0 - 2, 5A	✓	✓	-	-	-	✓	✓	-	✓	-	✓
SMP9635SD	AC	V	0 - 2, 20, 200, 750V	✓	-	✓	✓	-	✓	✓	✓	-	✓	-
		I	0 - 2, 5, 20A	✓	-	✓	✓	-	✓	✓	✓	-	✓	-
	DC	Zero Supp.	4-20mA or 1 - 5V	✓	-	✓	✓	✓	✓	✓	✓	-	✓	-
		I	0 - 2, 5, 20A	✓	-	✓	✓	-	✓	✓	✓	-	✓	-

Model	Input 1 Input 2		Range	Auxiliary Power Supply (any one only)			Accuracy Class	Digits (max.)	Display Digit Height	
				110 / 230V AC	24 / 48 / 110 / 220V DC	Self Powered	±0.05 Hz	4 Digit	0.56" / 14.20mm	1.0" / 25.4mm
FDM1444AD	40 - 99.99Hz	Please Refer Note		✓	-	✓	✓	✓	-	✓
FDM1444BD			-	✓	-	✓	✓	-	✓	
FDM963ASD			✓	-	✓	✓	✓	✓	-	✓

Note : Input 20 - 500V AC For 110V AC or 230V AC or DC Aux. and For Self Powered Input variation is ± 20% of Aux.

Dimensions (mm)				
Model	SMP9635SD	FDM963ASD	SMP14445D SMP14445SD	FDM1444AD / FDM1444SAD FDM1444BD / FDM1444SBD
Front	96 x 96	96 x 96	144 x 144	144 x 144
Depth (Behind Bezel)	90	90	130 / 93	130 / 93
Panel Cut-Out	92 ^(+0.8, -0.0) x 92 ^(+0.8, -0.0)	92 ^(+0.8, -0.0) x 92 ^(+0.8, -0.0)	138 ^(+0.8, -0.0) x 138 ^(+0.8, -0.0)	138 ^(+0.8, -0.0) x 138 ^(+0.8, -0.0)

Ordering Information : Model, (Voltmeter/Ammeter) : Input Range, PTR/CTR (if any), Scale Display, Auxillary Supply & Accuracy Class
(Frequency Meter) : Input Frequency Range, Input Voltage, PTR (if any), Auxillary Supply & Accuracy Class

Terminal Connection

Input 1

SMP14445D, SMP14445SD

Input 2

FDM1444AD, FDM1444BD